

## MERCHANT, GOULD, SMITH, EDELL, WELTER & SCHMIDT

### United States Patent Application

#### COMBINED DECLARATION AND POWER OF ATTORNEY

(4)

08/387,832

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: ENDOCARDIAL MAPPING SYSTEM

The specification of which

- a. is attached hereto
- b. X was filed on February 16, 1995 as application serial no. 08/387,832 and was amended on \_ (if applicable) (in the case of a PCT-filed application) described and claimed in international no. PCT/US93/09015 filed September 23,1995 and as amended on \_\_\_\_ (if any), which I have reviewed and for which I solicit a United States patent.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (see page 3 attached hereto).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

- a. X no such applications have been filed.
- b. \_ such applications have been filed as follows:

FOI	REIGN APPLICATION(S), IF ANY,	CLAMING PRIORITY UN	DER 35 USC § 119
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
-			
ALL FOR	EIGN APPLICATION(S), IF ANY, I	FILED BEFORE THE PRIC	DRITY APPLICATION(S)
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
····			

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)
07/949,690	23 September 1992	Issued
07/950,448	23 September 1992	Issued

### § 1.56 Duty to disclose information material to patentability.

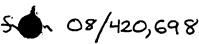
- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
  - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
  - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim;
    - (2) It refutes, or is inconsistent with, a position the applicant takes in:
    - (i) Opposing an argument of unpatentability relied on by the Office, or
  - (ii) Asserting an argument of patentability.

or

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
- (1) Each inventor named in the application:
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.





# MERCHANI, GOULD, SMITH, EDELL, WELTER & SCHMIDT

## United States Patent Application

## COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

The specification of which

- a. X is attached hereto
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I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

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- ). \_ such applications have been filed as follows:

APPLICATION NUMBER	DATE OF FILING	DATE OF ISSUE (day, month, year)
		(day, month, year)
GN APPLICATION(S), IF ANY, I	FILED BEFORE THE PRIOF	RITY APPLICATION(S)
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U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)	
08/387,832 <sup>)</sup>	February 16, 1995	Pending	
07/950,448	September 23, 1992	Issued	





I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Merchant & Gould to the contrary.

Please direct all correspondence in this case to Merchant, Gould, Smith, Edell, Welter & Schmidt at the address indicated below:

## Robert C. Beck, 3100 Norwest Center, 90 South Seventh Street, Minneapolis, Minnesota 55402

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2	Full Name Of Inventor	Family Name Beatty	First Given Name Graydon	Second Given Name Ernest
0	Residence & Citizenship	City St. Paul	State or Foreign Country Minnesota	Country of Citizenship U.S.A.
ı	Post Office Address	Post Office Address 1170 Cushing Circle, #319	City St. Paul	State & Zip Code/Country Minnesota/55108/U.S.A.
2	Full Name Of Inventor	Family Name Kagan	First Given Name Jonathan	Second Given Name
0	Residence & Citizenship	City Minneapolis	State or Foreign Country Minnesota	Country of Citizenship U.S.A.
2	Post Office Address	Post Office Address 5112 Russell Avenue South	City Minneapolis	State & Zip Code/Country Minnesoia/5544/U.S.A.
2	Full Name Of Inventor	Family Name Budd	First Given Name Jeffrey	Second Given Name Robert
0	Residence & Citizenship	City St. Paul	State or Foreign Country Minnesota	Country of Citizenship U.S.A.
3	Post Office Address	Post Office Address 2261 Gordon Avenue	City St. Paul	State & Zip Code/Country Minnesota/55108/U.S.A.

Signature of Inventor 201	Signature of Inventor 202	Signature of Inventor 203
Thurdon En Bestly	-2-19-	17/1/2
Date 1/23/95	Dave 4/23/95	Date 4/23/45

or Additional Inventors:

\_ Indicate here and attach sheet with same information, including date and signature.

Signature of Inventor 201	<u> </u>	
Signature of Internet 201	Signature of Inventor 202	Signature of Inventor 203
1 1 12/11	Fraydon Enort Beat	The still 1
Date	Duta	Cota Conderan Hand
April 12, 1995	"april 12, 1995	Wale 1/2 /995
	——————————————————————————————————————	<u> </u>

For Additional Inventors:

\_ Indicate here and attach sheet with same information, including date and signature.

The state of the s

EE 118354094US 1/9/98 Robert Bech

IIS APPLICATION		
U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)
07/949,690	September 23, 1992	Issued
hereby appoint the follows:		

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

ereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/ n/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full closure to be represented unless/until I instruct Merchant, Gould to the contrary.

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Full Name Of Inventor	Family Name Budd	First Given Name	Second Given Name
Residence	City	Jeffrey	Robert
& Citizenship	St. Paul	State or Foreign Country Minnesota	Country of Citizenship
Post Office	Post Office Address		U.S.A.
Address	2261 Gordon Avenue	City St. Paul	State & Zip Code/Country
Full Name	Family Name		Minnesota/55108/U.S.A.
Of Inventor	Beatty	First Given Name Graydon	Second Given Name
Residence	City	State or Foreign Country	Ernest
& Citizenship	St. Paul	Minnesota Country	Country of Citizenship
Post Office Address	Post Office Address	City	U.S.A.
	1170 Cushing Circle, #319	St. Paul	State & Zip Code/Country
Full Name Of inventor	Family Name	First Given Name	Minnesqta/55108/U.S.A.
	Hauck	John John	Second Given Name
Residence	City	State or Foreign Country	Anderson
k Citizenship	Shoreview	Minnesota	Country of Citizenship
ost Office	Post Office Address		U.S.A.
ddress	5900 Hodgson Road	City	State & Zip Code/Country
		Shoreview	Minnesota/55126/U.S.A.

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- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the rney, agent, or inventor.



# SMALL BUSINESS

ERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS (37 C.F.R. 1.9(f) AND 1.27(c)) - SMALL BUSINESS CONCERN

I hereby declare that I am

- the owner of the small business concern identified below:
- b) (X) an official of the small business concern empowered to act on behalf of the concern identified below:

of CONCERM: 13	ardial Solutions, Inc. 50 Energy Lane, Suite 110 . Paul, Minnesota 55108-5253
<del></del>	

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 C.F.R. 121.3-18, and reproduced in 37 C.F.R. 1.9(d), for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the

other, or a third party or parties controls or has the power to control both. hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified ibove with regard to the invention, entitled ELECTROPHYSIOLOGY MAPPING SYSTEM y inventor(s) Jeffrey Robert Budd, Graydon Ernest Beatty, and John Anderson Hauck described in a) (X) the specification filed herewith. b) ( ) application serial no. \_\_\_\_\_, filed \_\_\_\_\_.
c) ( ) patent no. \_\_\_\_\_, issued \_\_\_\_\_. the rights held by the above-identified small business concern are not exclusive, each individual, concern or organization having ghts to the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who could it qualify as an independent inventor under 37 C.F.R. 1.9(c) or by any concern which would not qualify as a small business ncern under 37 C.F.R. 1.9(d) or a nonprofit organization under 37 C.F.R. 1.9(e). \*NOTE: Separate verified statements are quired from each named person, concern or organization having rights to the invention averring to their status as small entities. ME DRESS ( ) INDIVIDUAL b) ( ) SMALL BUSINESS CONCERN ME c) ( ) NONPROFIT ORGANIZATION DRESS a) ( ) INDIVIDUAL b) ( ) SMALL BUSINESS CONCERN c) ( ) NONPROFIT ORGANIZATION

knowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to ill entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date which status as a small entity is no longer appropriate. (37 C.F.R. 1.28(b))

reby declare that all statements made herein of my own knowledge are true and that all statements made on information and ef are believed to be true; and further that these statements were made with the knowledge that willful false statements and the so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code, and that willful false statements may jeopardize the validity of the application, any patent issuing thereof, or any patent to which this

E _Jeffrey Robert Budd	
LE Senior Scientist Endocardial Columnia	
VATURE Suite 110, St. Paul Minnesota 55108-5253	
DATE AT	1 12, 1995